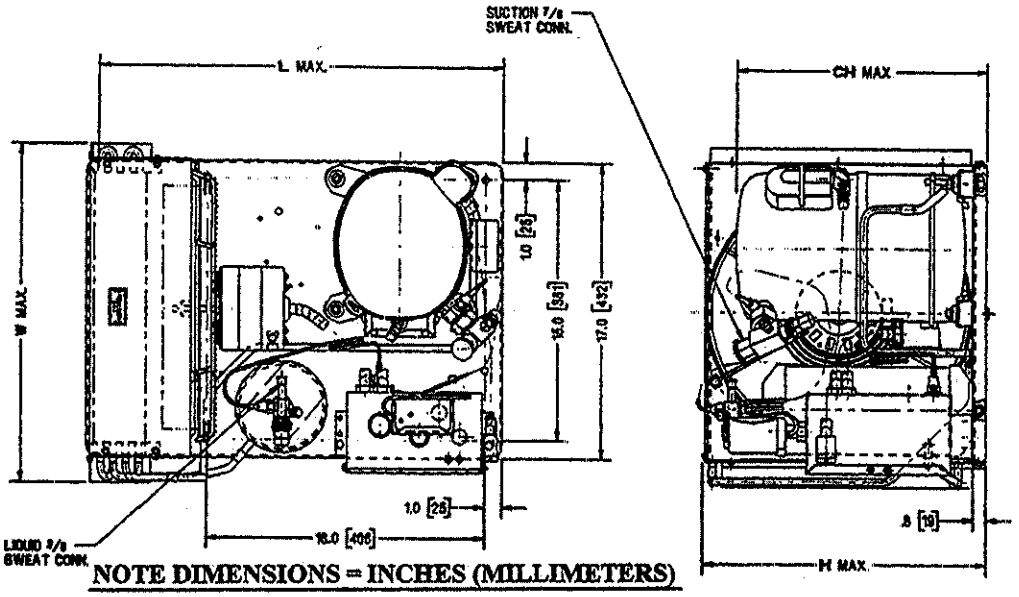
AWA2479ZXTXC

Date: Jan. 10, 1999

Revision 2003

TECUMSEH HERMETIC CONDENSING UNITS

MODEL AWA2479ZXTXC (B/M 2C2115-9) R-404A 2 HP AIR COOLED



NOTE DIMENSIONS = INCHES (MILLIMETERS)

POE

Model	Dimensions				*Line Connection		Pumpdown 90 ◦ F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AWA2479ZXTXC	24.0	19.4	16.2	15.6	7/8S	3/8S	9.8#	1530	38	119

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
Factory charge: 20 psig nitrogen - MUST BE EVACUATED 60 HZ PERFORMANCE

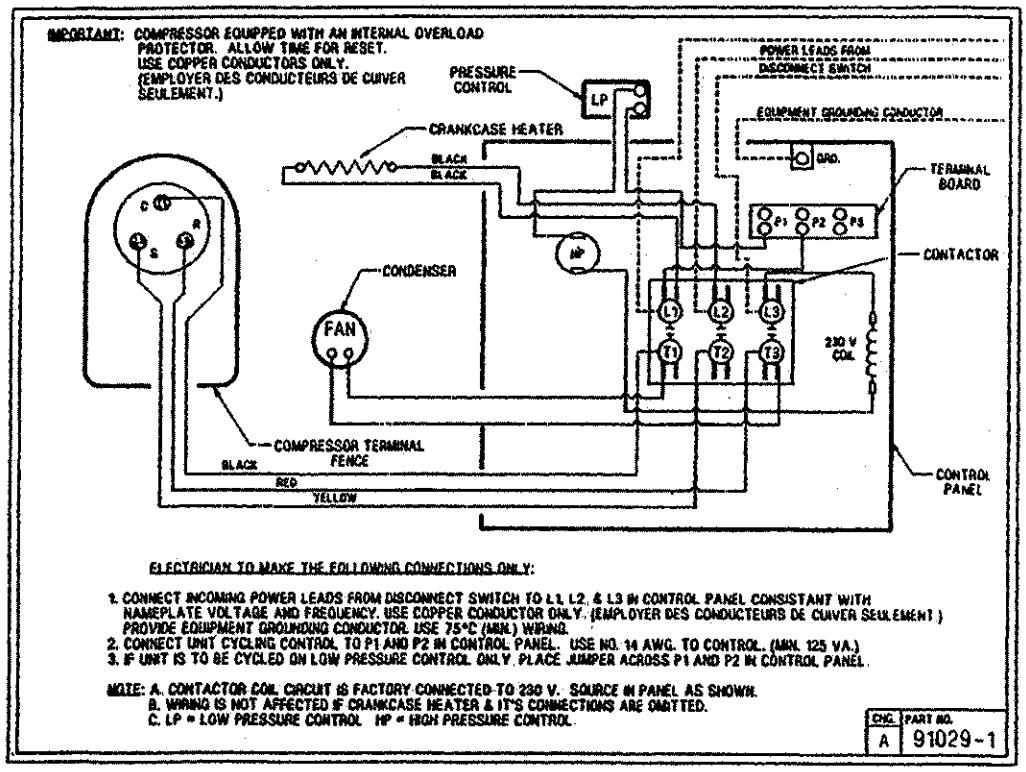
Approved Evap. Range		Ambient								
		90◦ F			100◦ F			110◦ F		
◦F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
-40	4.3	2337	1072	224	2264	1122	260	1739	1058	290
-35	6.8	3196	1207	230	2892	1226	264	2269	1161	296
-30	9.6	4080	1346	236	3561	1339	270	2838	1274	303
-25	12.6	4990	1489	243	4271	1463	276	3446	1400	310
-20	16.0	5925	1636	251	5022	1596	283	4093	1536	318
-15	19.6	6885	1786	259	5814	1740	292	4779	1684	327
-10	23.6	7871	1940	269	6648	1893	301	5504	1843	337
-5	27.9	8882	2098	279	7523	2057	312	6268	2014	347
0	32.6	9918	2260	291	8439	2230	324	7071	2196	359
+5	37.7	10980	2425	303	9396	2414	336	7912	2390	371
+10	43.2	12067	2595	316	10394	2607	350	8793	2595	384

Return gas temp 40 ◦ F, 5 ◦ F subcooling

Date: January 2003
Unit Catalog Update

SPECIFICATIONS	**AWA2479ZXTXC**
Nominal Voltage	230/200-3
Unit B/M	2C2115-9
Voltage Range	253 to 180
Min. Circuit Ampacity	11.8
Max. Fuse Size (Amps)	20
Compressor Model	**AWA2460ZXT**
Comp. Bill of Material	AW613RT-121
RLA/LRA	8.4/63.4
ESP Overload	Internal
Control Panel	AC1396-6
High Pressure Switch	84097-3
Control	84026-5 (LP)
Contactor	91014 (30 AMP-3PH,230V)
Fan Motor (OEM)	810S050A99

Fan RLA	1.30 RLA
Replacement Motor	TFM502
Fan Motor Bracket	Grd. Mnt.
Fan Blade	51568-1
Shroud	70727-2
Condenser	K42-16
Fan Guard	70831
Receiver Tank	51081-1
Receiver Tank Valve	31581-1 (3/8" S) RL
Suction Rotolock	31529-1 (7/8"S RL)
O' Ring Gasket	30334
Optional Outdoor Enclosure	IP-201D
Crankcase Heater (If Inc)	NA
Unit Drawing	SU1918-3
Schematic or Elect. Drawing	91029-1


IMPORTANT: COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.
USE COPPER CONDUCTORS ONLY.
(EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.)
PRESSURE CONTROL
LP
POWER LEADS FROM DISCONNECT SWITCH
EQUIPMENT GROUNDING CONDUCTOR
CRANKCASE HEATER
BLACK
BLACK
GRD.
TERMINAL BOARD
P1 P2 P3
CONTACTOR
HP
CONDENSER
FAN
L1 L2 L3
T1 T2 T3
230 V COIL
COMPRESSOR TERMINAL FENCE
BLACK
RED
YELLOW
CONTROL PANEL
ELECTRICIAN TO MAKE THE FOLLOWING CONNECTIONS ONLY:
1. CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1, L2, & L3 IN CONTROL PANEL CONSISTANT WITH NAMEPLATE VOLTAGE AND FREQUENCY. USE COPPER CONDUCTOR ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
2. CONNECT UNIT CYCLING CONTROL TO P1 AND P2 IN CONTROL PANEL. USE NO. 14 AWG. TO CONTROL. (MIN. 125 VA.)
3. IF UNIT IS TO BE CYCLED ON LOW PRESSURE CONTROL ONLY, PLACE JUMPER ACROSS P1 AND P2 IN CONTROL PANEL.
NOTE: A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 V. SOURCE IN PANEL AS SHOWN.
B. WIRING IS NOT AFFECTED IF CRANKCASE HEATER & IT'S CONNECTIONS ARE OMITTED.
C. LP = LOW PRESSURE CONTROL HP = HIGH PRESSURE CONTROL
CHG. A
PART NO. 91029-1

Some parts listed may be optional or listed as replacement parts.